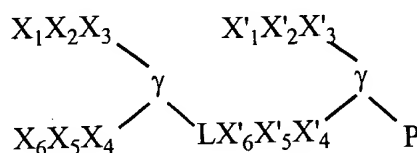


8. (Amended) A tandem-linked polyamide of claim 1 having the formula:



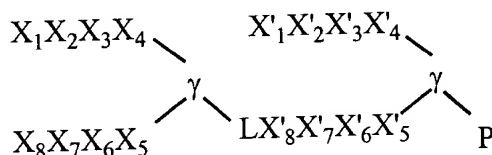
wherein γ is a chiral hairpin linkage derived from R-2,4-diaminobutyric acid;

X_1/X_6 , X_2/X_5 , X_3/X_4 , X'_1/X'_6 , X'_2/X'_5 , and X'_3/X'_4 represent six carboxamide binding pairs which bind DNA base pairs wherein at least one binding pair is Hp/Py or Py/Hp and the other binding pair(s) is(are) selected from the group consisting of Py/Im, Im/Py, and Py/Py to correspond to the DNA base pair in the minor groove to be bound;

L represents an amino acid linking group selected from the group consisting of β -alanine and 5-aminovaleric acid (δ); and

P represents zero to ten polyamides of claim 1.

9. (Amended) A tandem-linked polyamide of claim 1 having the formula:



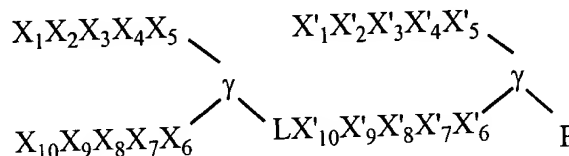
wherein γ is a chiral hairpin linkage derived from R-2,4-diaminobutyric acid;

X_1/X_8 , X_2/X_7 , X_3/X_6 , X_4/X_5 , X'_1/X'_8 , X'_2/X'_7 , X'_3/X'_6 , and X'_4/X'_5 represent eight carboxamide binding pairs which bind DNA base pairs wherein at least one binding pair is Hp/Py or Py/Hp and the other binding pair(s) is(are) selected from the group consisting of Py/Im, Im/Py, and Py/Py to correspond to the DNA base pair in the minor groove to be bound;

L represents an amino acid linking group selected from the group consisting of β -alanine and 5-aminovaleric acid (δ), and

P represents zero to ten polyamides of claim 1.

10. (Amended) A tandem-linked polyamide of claim 1 having the formula:



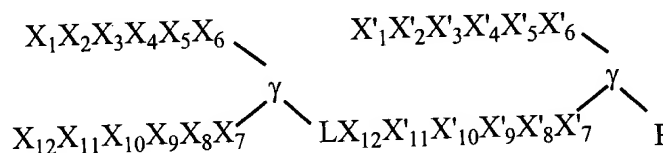
wherein γ is a chiral hairpin linkage derived from R-2,4-diaminobutyric acid;

X_1/X_{10} , X_2/X_9 , X_3/X_8 , X_4/X_7 , X_5/X_6 , X'_1/X'_{10} , X'_2/X'_9 , X'_3/X'_8 , X'_4/X'_7 , and X'_5/X'_6 represent ten carboxamide binding pairs which bind DNA base pairs wherein at least one binding pair is Hp/Py or Py/Hp and the other binding pair(s) is(are) selected from the group consisting of Py/Im, Im/Py, and Py/Py to correspond to the DNA base pair in the minor groove to be bound;

L represents an amino acid linking group selected from the group consisting of β -alanine and 5-aminovaleric acid (δ); and

P represents zero to ten polyamides of claim 1.

11. (Amended) A tandem-linked polyamide of claim 1 having the formula:

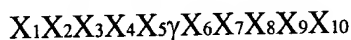


wherein γ is a chiral hairpin linkage derived from R-2,4-diaminobutyric acid;

X_1/X_{12} , X_2/X_{11} , X_3/X_{10} , X_4/X_9 , X_5/X_8 , X_6/X_7 , X'_1/X'_{12} , X'_2/X'_{11} , X'_3/X'_{10} , X'_4/X'_9 , X'_5/X'_8 and X'_6/X'_7 represent twelve carboxamide binding pairs which bind DNA base pairs wherein at least one binding pair is Hp/Py or Py/Hp and the other binding pair(s) is(are) selected from the group consisting of Py/Im, Im/Py, and Py/Py to correspond to the DNA base pair in the minor groove to be bound;

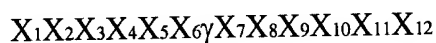
L represents an amino acid linking group selected from the group consisting of β -alanine and 5-aminovaleric acid (δ); and

14. (Amended) A tandem-linked polyamide comprising a first and second polyamide wherein said first polyamide is a polyamide having the formula:



wherein γ is a chiral hairpin linkage derived from R-2,4-diaminobutyric acid; and X_1/X_{10} , X_2/X_9 , X_3/X_8 , X_4/X_7 , and X_5/X_6 represent five carboxamide binding pairs which bind DNA base pairs wherein at least one binding pair is Hp/Py or Py/Hp and the other binding pair(s) is(are) selected from the group consisting of Py/Im, Im/Py, and Py/Py to correspond to the DNA base pair in the minor groove to be bound; said second polyamide is a polyamide according to claim 4, 5, or 7; and said first and second polyamides being linked by an amino acid linking group selected from the group consisting of β -alanine and 5-aminovaleric acid (δ) bound to the γ -residue of said first polyamide and the carboxy tail of said second polyamide.

15. (Amended) A tandem-linked polyamide comprising a first and second polyamide wherein said first polyamide is a polyamide having the formula:



wherein γ is a chiral hairpin linkage derived from R-2,4-diaminobutyric acid; and X_1/X_{12} , X_2/X_{11} , X_3/X_{10} , X_4/X_9 , X_5/X_8 , and X_6/X_7 represent six carboxamide binding pairs which bind DNA base pairs wherein at least one binding pair is Hp/Py or Py/Hp and the other binding pair(s) is(are) selected from the group consisting of Py/Im, Im/Py, and Py/Py to correspond to the DNA base pair in the minor groove to be bound; said second polyamide is a polyamide according to claim 4, 5, or 6; and said first and second polyamides being linked by an amino acid linking group selected from the group consisting of β -alanine and 5-aminovaleric acid (δ) bound to the γ -residue of said first polyamide and the carboxy tail of said second polyamide.



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APPL PARTS

_____**IMIS**_____
Internal Misc. Paper

_____**LET.**_____
Misc. Incoming Letter

_____**371P**_____
PCT Papers in a 371 Application

_____**A...**_____
Amendment Including Elections

_____**ABST**_____
Abstract

_____**ADS**_____
Application Data Sheet

_____**AF/D**_____
Affidavit or Exhibit Received

_____**APPENDIX**_____
Appendix

_____**ARTIFACT**_____
Artifact

_____**BIB**_____
Bib Data Sheet

_____**CLM**_____
Claim

_____**COMPUTER**_____
Computer Program Listing

_____**CRFL**_____
All CRF Papers for Backfile

_____**DIST**_____
Terminal Disclaimer Filed

_____**DRW**_____
Drawings

_____**FOR**_____
Foreign Reference

_____**FRPR**_____
Foreign Priority Papers

_____**IDS**_____
IDS Including 1449

_____**NPL**_____
Non-Patent Literature

_____**OATH**_____
Oath or Declaration

_____**PET.**_____
Petition

_____**RETMAIL**_____
Mail Returned by USPS

_____**SEQLIST**_____
Sequence Listing

_____**SPEC**_____
Specification

_____**SPEC NO**_____
Specification Not in English

_____**TRNA**_____
Transmittal New Application

_____**CTNF**_____
Count Non-Final

_____**CTRS**_____
Count Restriction

_____**EXIN**_____
Examiner Interview

_____**M903**_____
DO/EO Acceptance

_____**M905**_____
DO/EO Missing Requirement

_____**NFDR**_____
Formal Drawing Required

_____**NOA**_____
Notice of Allowance

_____**PETDEC**_____
Petition Decision

OUTGOING

_____**CTMS**_____
Misc. Office Action

_____**1449**_____
Signed 1449

_____**892**_____
892

_____**ABN**_____
Abandonment

_____**APDEC**_____
Board of Appeals Decision

_____**APEA**_____
Examiner Answer

_____**CTAV**_____
Count Advisory Action

_____**CTEQ**_____
Count Ex parte Quayle

_____**CTFR**_____
Count Final Rejection

INCOMING

_____**AP.B**_____
Appeal Brief

_____**C.AD**_____
Change of Address

_____**N/AP**_____
Notice of Appeal

_____**PA..**_____
Change in Power of Attorney

_____**REM**_____
Applicant Remarks in Amendment

_____**XT/**_____
Extension of Time filed separate

Internal

_____**SRNT**_____
Examiner Search Notes

_____**CLMPTO**_____
PTO Prepared Complete Claim Set

_____**ECBOX**_____
Evidence Copy Box Identification

_____**WCLM**_____
Claim Worksheet

_____**WFEE**_____
Fee Worksheet

File Wrapper

_____**FWCLM**_____
File Wrapper Claim

_____**IIFW**_____
File Wrapper Issue Information

_____**SRFW**_____
File Wrapper Search Info

BACKFILE DOCUMENT INDEX SHEET